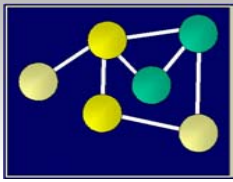# Open Applications Group

Briefing and Status
NIST Standards Workshop
May 29, 2003

**David Connelly,
President and CEO
Open Applications Group, Inc.**
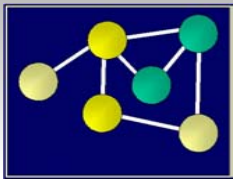
http://www.openapplications.org

Open Applications Group
Best Practices and XML Content for eBusiness and Application Integration
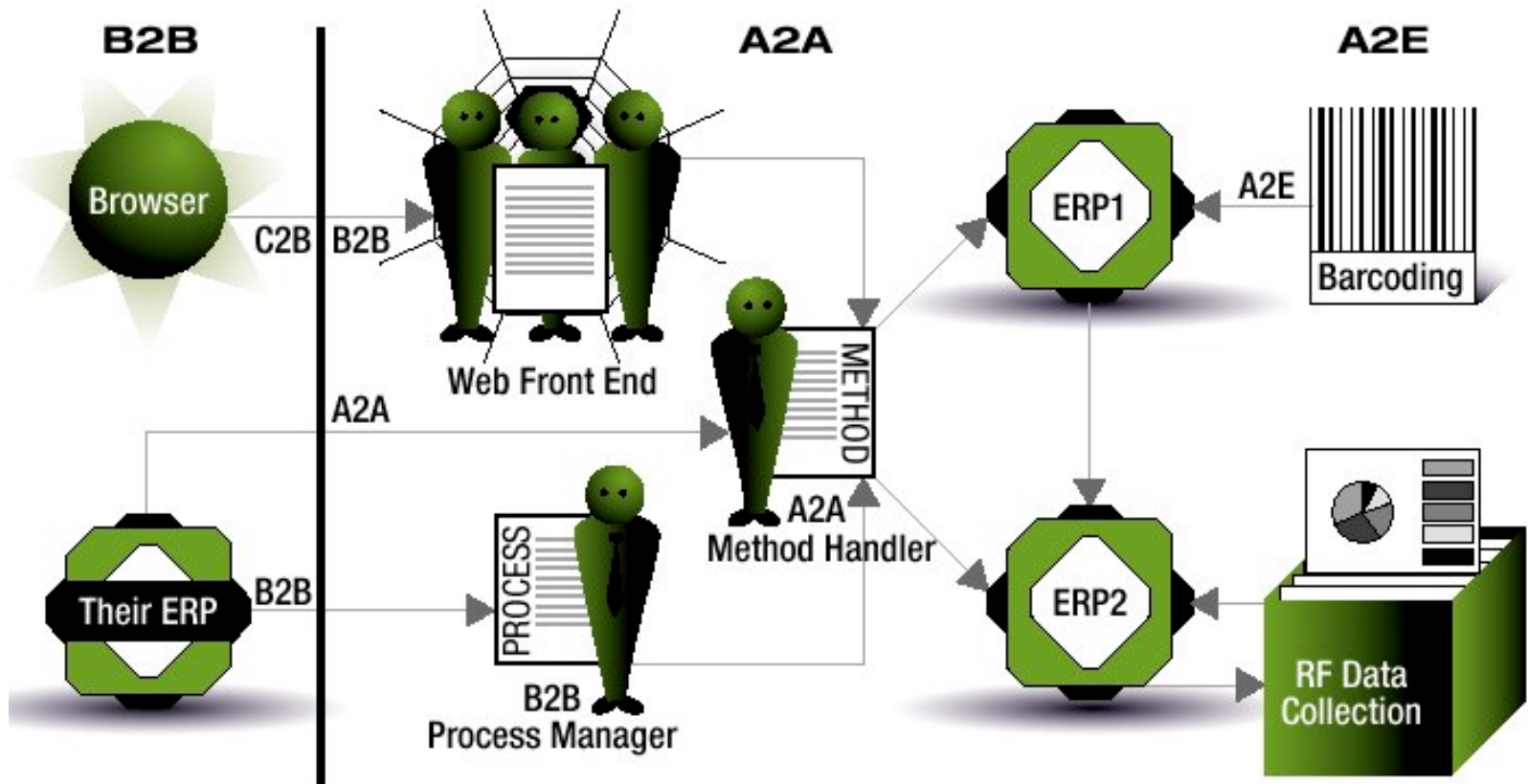
Not-For-Profit Industry Consortium to:

Promote interoperability among Business Software Applications and

To create and/or endorse one or more standards for easier business software interoperability

Open Applications Group
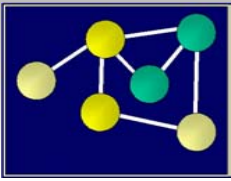*Best Practices and XML Content for eBusiness and Application Integration*

Open Applications Group Goal

E2E = B2B + A2A + A2E™
Everywhere to Everywhere Integration
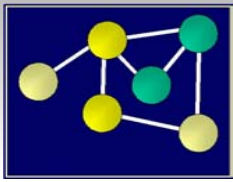
Open Applications Group
Best Practices and XML Content for eBusiness and Application Integration

OAGI Activities

- Interoperability Activities
- Out-Reach Activities
- Technical Activities

Open Applications Group
Best Practices and XML Content for eBusiness and Application Integration

OAGIS is Process Definitions and Payloads

- Scenario is process definition

- Business Object Documents (BODs) are messages within the Collaboration
- Documentation is in XML

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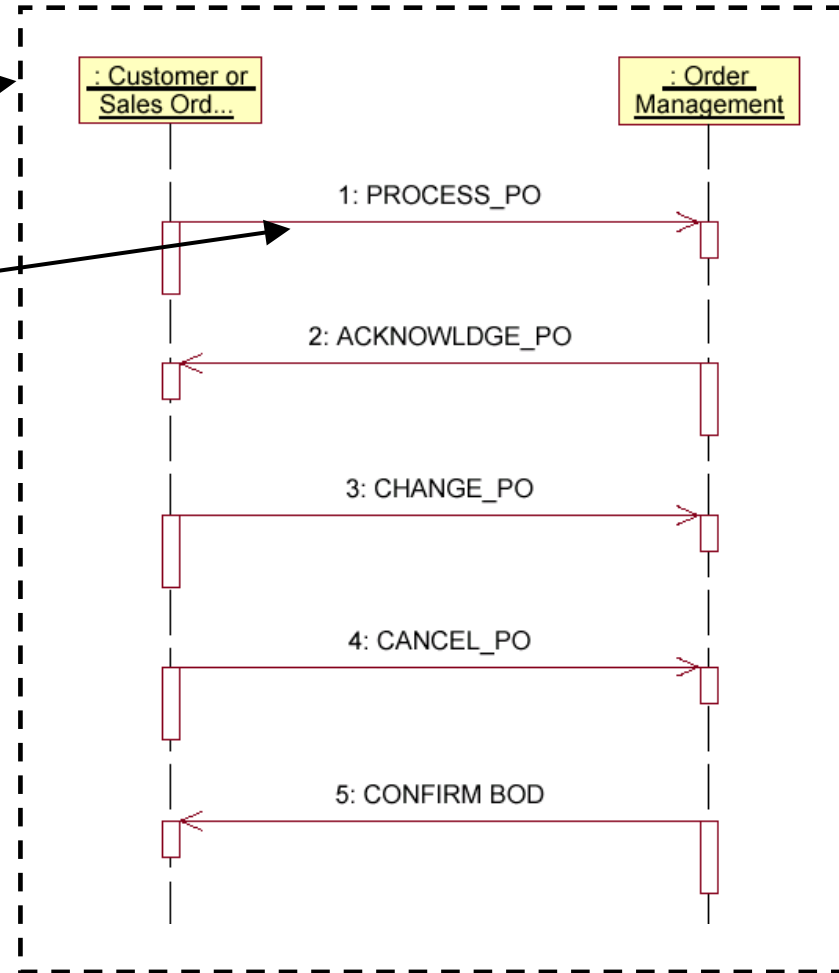
OAGIS Legal

- OAGI Membership is Open to All
- OAGIS is freely downloadable
- 50 – 60 countries a month
- OAGIS is Royalty Free

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Best Practices and XML Content for eBusiness and Application Integration
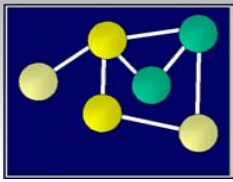
Current OAGIS Release

- OAGIS 8.0
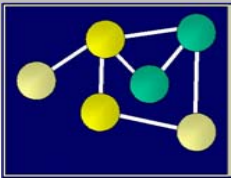 - Full XML Schema, 4th Generation for OAGIS
  - 60 Scenario Definitions
  - Approx 200 Messages
  - Over 60 nouns
  - Over 12 Verbs
  - Approx 190 Core Components
  - Actually the 18th Release

- 8+ years in maturing

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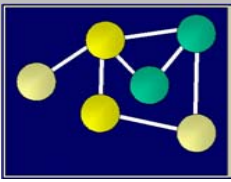
Current Scope of OAGIS Content

- **eCommerce**
  - e-Catalog
  - Price Lists
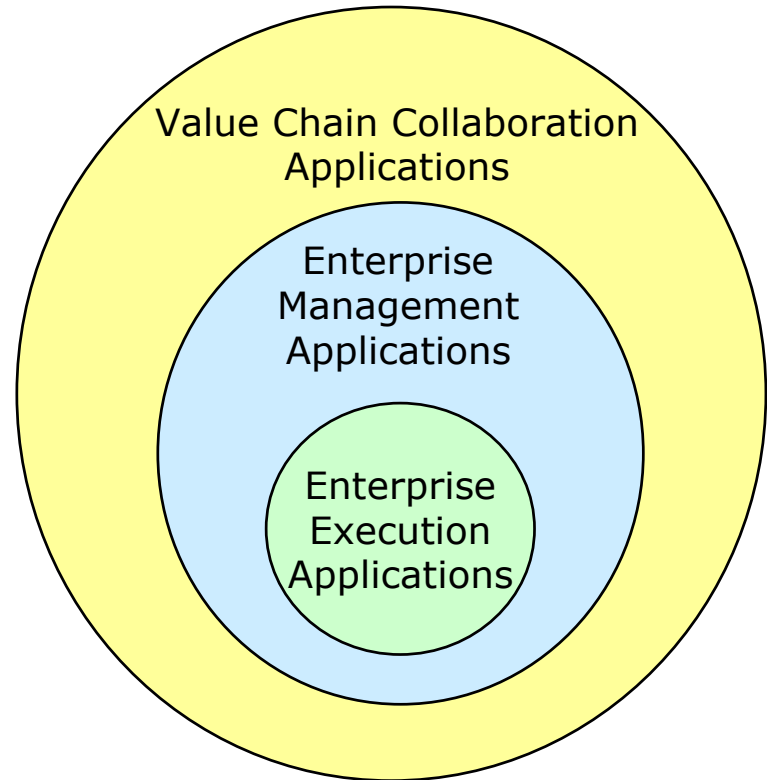 - RFQ and Quote
  - Order Management
  - Purchasing
  - Invoice
- **Manufacturing**
  - Plant Data Collection
  - Engineering
  - Warehouse Management
  - Enterprise Asset Mgmt.
- **Logistics**
  - Shipments
- **CRM**
  - Customer
  - Sales Force Automation
- **ERP**
  - Financials
  - Human Resources
  - Manufacturing
  - Credit Management

Value Chain Collaboration Applications

Enterprise Management Applications

Enterprise Execution Applications

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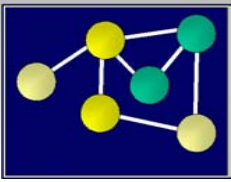
Extensibility

- **Scenarios**
  - Enable use of Scenarios as base library of processes.
  - Considered to be used and modified as required for each Industry and Context.

- **Message**
  - **UserArea** extensions provide an optional element within each OAGIS defined component to carry any necessary additional information.
  - **Overlay** extensions provide the ability to have extensions show up in-line with OAGIS defined fields, compounds, and components. This is not possible with DTDs.

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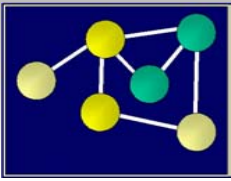# OAGIS 8.1 Coming Soon

- Scope Includes:
  - UN/CEFACT Core Components
  - New Functionality
    - Supply Chain Execution (SCM)
    - Product Development Collaboration (AIAG/STEP)
    - Invoice Settlement (IFX)
    - Shopping Cart (Software)
    - Warranty (Hi-Tech, AIAG)
    - Financial Services (IFX)
  - Web Services
  - More than 65 Scenarios
  - More than 450 BODs

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Best Practices and XML Content for eBusiness and Application Integration

Content Projects

- Core Components
- Logistics XML
- CRM XML
- Collaborations with:
  - HR-XML
  - IFX
  - STAR
  - AIAG
  - Odette
  - STEP

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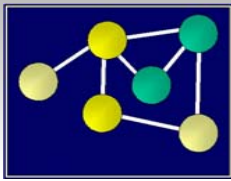
Some OAGIS Contributors
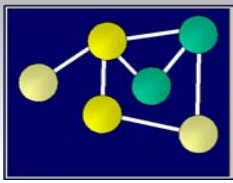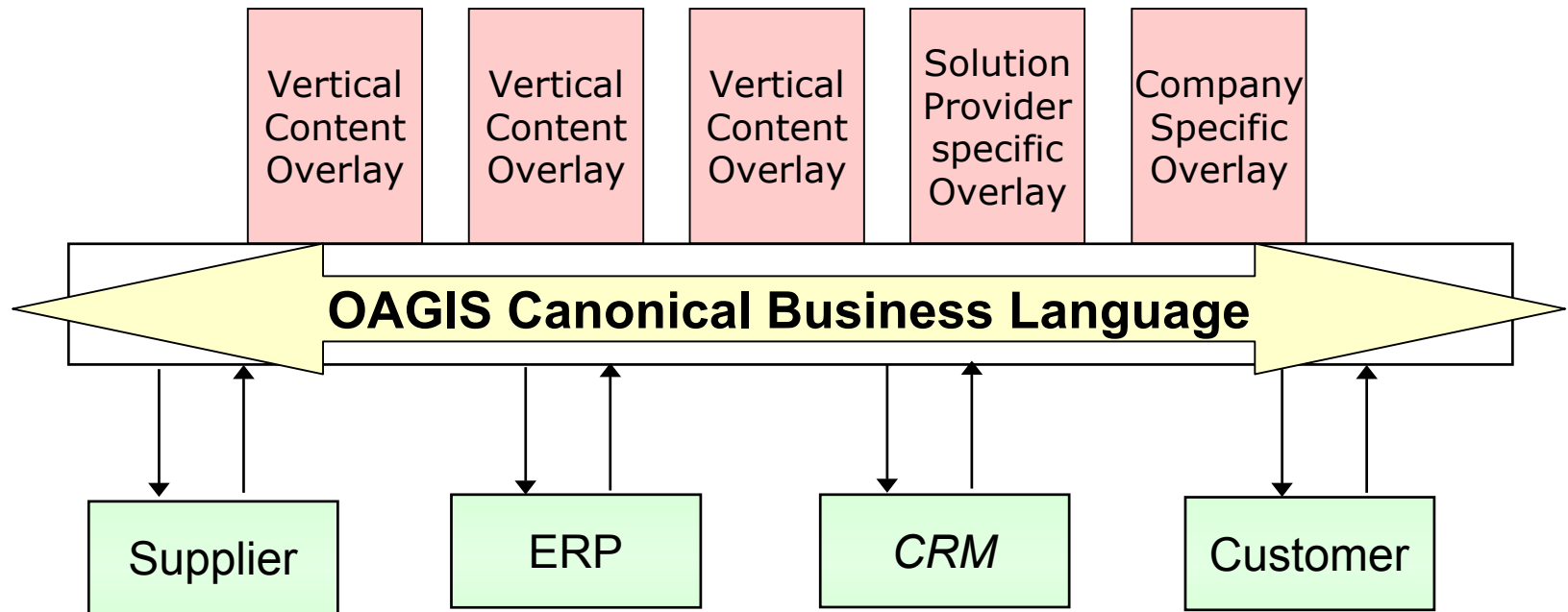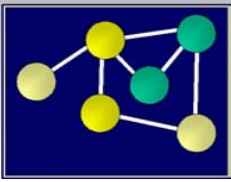
Active Software=>webMethods	Dwight Funk (Powerway)	Kildara	Robocom Systems
Agile Software	EDS	Kim Liljeborg (Global Brewer)	SAGA
Agilent Technologies	Electron Economy=>Viewlocity	Lars Abrell (Scanova)	SAGA Software
American Software	Engelhard	Lockheed Martin	Sand Hill Systems
Arm Thandi (Unilever)	EntComm	Louis Davis / Earl Miller (GHX)	SAP
AT&T Wireless	ePropose	Lucent Technologies	Scala
Atofina	eXcelon	Marcam=>Wonderware=>Invensys	Siemens
Bluestone Software=HP	Extricity Software=>Peregrine	Mega.com	Silverstream
Boeing	Ford	Menlo Worldwide	SoftQuad Software
Bolero.net	Fortress Technologies	Microsoft	Software Technologies Corp.=>SeeBeyond
Candle	Frictionless Commerce, Inc.	Mike Parks (Georgia Tech)	Sterling Commerce
Canopy	Future Three Corporation	NADA/STAR	StreamServe, Inc.
Carparts Technologies	General Motors	NEC	Sun Microsystems
CGI	Glo Tech Solutions	Net Commerce Corp.	SupplierMarket.com
CIMLINC	Great Plains=>Microsoft	Netfish Technologies=>IONA	Symbolic Systems
CODA/Baan=>Invensys	HK Systems, Inc.=>irista, Inc.	Netonomy	SynQuest, Inc.
Compaq	HMS	NexPrise=>Ventro	Teklogix=>Psion Teklogix
Component Software	Honda	NextSet Software, Inc.	Texas Instruments
Computer Associates	i2	NIST	Tibco
Compuware	iBASEt	ObjectSpace, Inc.	Tilion, Inc.
Contivo	IBM	ObTech	Toyota Motor Sales
CreekPath Systems	Idapta	OnDisplay=>Vignette	TradeAccess=>Ozro
CrossWorlds Software=>IBM	Indus	Optio Software, Inc.	Trilogy
Cyclone Commerce	Industri-Matematik	Oracle	TSI=>Mercator
DaimlerChrysler	Integrated Systems & Services Group	PaperExchange.com=>PaperSpace.com	U.S. Air Force
Dana Brake and Chassis	Intercim	PCS Inc.	Unilever PLC
DATEV	Intuit	Peoplesoft	US Data
Delphion	Invensys	Pricewaterhouse Coopers=>IBM	Vesta Technologies
DHL	iWay	PSDI=>MRO Software	Viewlocity
Digital Paper Corporation	J.D. Edwards	QAD	Vitria Technology
Drake Certivo	Johnson Controls	Quadrem	webMethods
		Requisite Technology	XML Global Technology
			XML Solutions=Vitria

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Best Practices and XML Content for eBusiness and Application Integration

OAGIS is Horizontal with Vertical/Context Overlays

Vertical Content Overlay	Vertical Content Overlay	Vertical Content Overlay	Solution Provider specific Overlay	Company Specific Overlay

OAGIS Canonical Business Language

Supplier	ERP	*CRM*	Customer

- OAGIS is Horizontal Content
- OAGIS Enables Vertical/Context "Plug-Ins"

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Best Practices and XML Content for eBusiness and Application Integration

Out-Reach Activities

- UN/CEFACT
- AIAG
- Odette
- STAR
- AAIA
- EIDX
- HR-XML
- IFX
- CIDX
- PIDX/RAPID
- ISA

- RV Industry
- ARTS
- TranXML
- AIA
- Outdoor Power Equipment
- NIST
- WS-I
- OASIS
- OMG

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Best Practices and XML Content for eBusiness and Application Integration
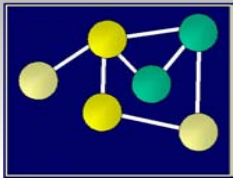
OAGIS joins MoU Group

- The Open Applications Group was elected in PARIS Dec 4, 2002 to become part of a very elite group in the standards world.

- OAGI has joined the four international de jure standards organizations in a memorandum of understanding (MoU) on electronic business.

- The Open Applications Group will participate in implementation of the MoU as a registered international user group.

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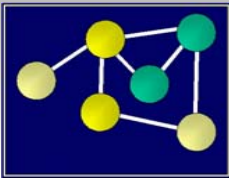
UN/CEFACT Endorsement

```
From: Klaus-Dieter Naujok [knaujok@attglobal.net]
Sent: Saturday, June 08, 2002 12:07 PM
To: eBTWG List; eBTWG StC List
Subject: Temporary document syntax for payloads using the ebXML
Infrastructure

The following was approved unanimously by eBTWG during the closing plenary
on Friday. During the recent UN/CEFACT plenary week the CSG was asked to
review the recommendation and on behalf of the plenary decide on its
disposition. The CSG agreed to replace "eBTWG recommends" with "UN/CEFACT
recommends" in order to move ahead in support of the working groups
decision. Here is the final text of the recommendation:

²Temporary document syntax for payloads using the ebXML Infrastructure²

While the new UN/CEFACT ebXML Core Components specification proposal goes
through standardization, there is an immediate need to provide guidance to
Industry on payloads that support adoption of the ebXML proposed standards.

For:

1. EDI syntax based message payloads; UN/CEFACT recommends the use of
   UN/EDIFACT.
2. XML syntax based message payloads; UN/CEFACT recommends the use of the
   following Industry recognized payloads:

   · BoleroXML Messages
   · EAN.UCC XML Schemas
   · Open Applications Group, Inc (OAGI) Business Object Documents (BOD's)
   · Open Travel Alliance (OTA) Message Specifications
   · SWIFT (ISO 15022 XML).
```
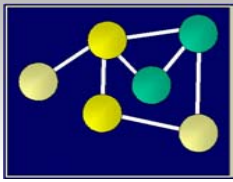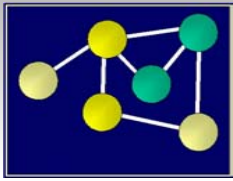
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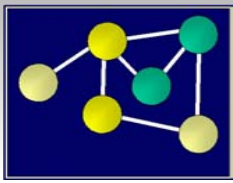
OAGIS Used in over 37 Known Industries

- Aerospace
- Agri-Business
- Automotive Manufacturing
- Automotive Retail
- Automotive Aftermarket
- Banking
- Brewing
- CPG
- Chemical
- Computer Hardware
- Computer Software
- Consumer Goods – Electronics
- Defense
- Distributors
- Federal Government
- Food Manufacturing
- Furniture Manufacturing
- Medical Device Manufacturing
- Insurance

- Industrial Goods Manufacturing
- Logistics
- Mining
- Oil
- Natural Gas
- Paint
- Paper
- Publishing
- Retail
- Shipping
- Software
- State and Local Government
- Telecommunications
- Tire Manufacturing
- Tobacco
- Trucking
- Universities
- Electric Utilities

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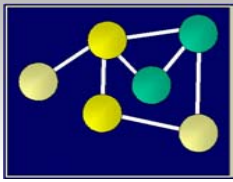*Best Practices and XML Content for eBusiness and Application Integration*

OAGIS Live in 40 Known Countries

- Australia
- Austria
- Bahrain
- Belgium
- Canada
- Chile
- China
- Croatia
- Czech Republic
- Denmark
- Ireland
- Finland
- France
- Germany

- Holland
- Hungary
- India
- Israel
- Italy
- Japan
- Korea (South)
- Lithuania
- Mexico
- Netherlands (Holland)
- Norway
- Papua New Guinea
- Poland

- Russia
- Saudi Arabia
- Singapore
- Slovenia
- Slovakia
- South Africa
- Spain
- Sweden
- Switzerland
- Turkey
- United Arab Emirates
- United Kingdom
- United States

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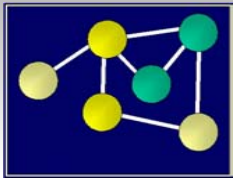Best Practices and XML Content for eBusiness and Application Integration

OAGI Example XML Implementations

- ADC Broadband
- Agilent
- Atofina Chemical
- ATT Wireless
- Bank of America
- B.Braun McGaw
- BE Aerospace
- Black & Decker
- Boeing
- CD Net
- Chicago Tribune
- Champion Paper
- Chesapeake
- Covisint
- Corio
- EUROFLUX
- DuPont
- Falconbridge
- Ford Motor Company
- Franklin Covey

- Gilroy Foods
- GoldKist
- IBM
- ICI Paints
- IDS Scheer
- Labatt
- Ingersol Rand
- Johnson Controls
- Lockheed Martin
- Lucent
- Mrs. Smiths
- Pioneer
- Play by Play
- Qualcomm
- Quebec Government
- Random House
- Sasol
- Shell
- Steelcase
- US Air Force
- Xerox

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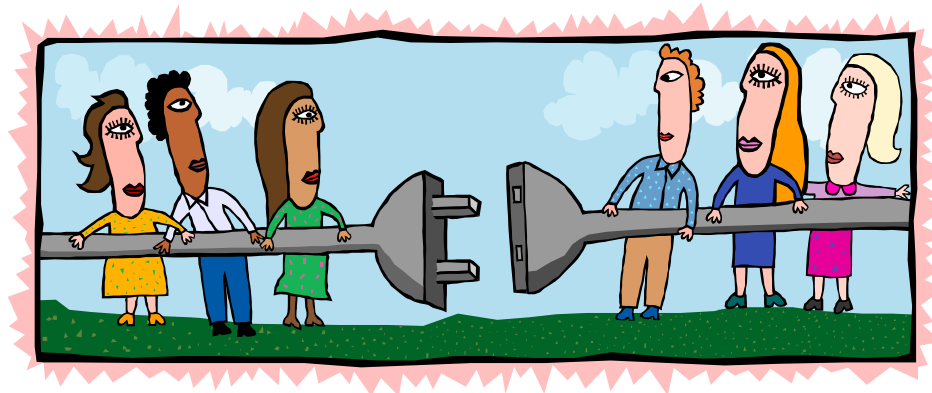Best Practices and XML Content for eBusiness and Application Integration
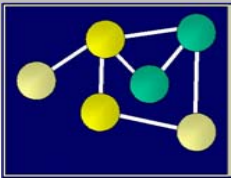
Solution Provider Support

- Active
- AE Biz
- ADA
- American Software
- ArborText
- Argo Software
- Armature
- ASI Transact
- Avantis
- Baan
- Bluestone/HP
- CA
- Candle Corp.
- Canopy Intl.
- ClarkstonGroup
- Clarus
- Compuware
- Contivo
- Deloitte
- Delphion
- Ecumena
- EntComm
- EnvisionIt
- eXcelon
- Extricity
- Frictionless Commerce

- Geac
- Glotech
- HMS Software
- I2
- iBASEt
- IBM(WebSphere, MQ Int.)
- Indus International
- Intercim
- Invensys
- Irista
- ISSG
- JD Edwards
- Killdara
- Level3
- Med Channel
- Mega Intl.
- Mercator
- Microsoft
- Neon
- Iona (NetFish)
- Netonomy
- NexPrise
- Oracle
- PeopleSoft
- PremierSoft

- PricewaterhouseCoopers
- Progressive Software
- MRO Software
- Psion Teklogix
- QAD
- RightWorks
- Robocom
- Sameday
- SeeBeyond
- SilverBourne
- Silverstream
- Sherpa
- Software Sources
- StreamServe
- SupplierMarket.com
- Symbolic Systems
- Synquest
- Syntra
- Telusplanet.com
- Tibco
- Tilion
- Vitria
- Webasto.de
- webMethods
- Wonderware

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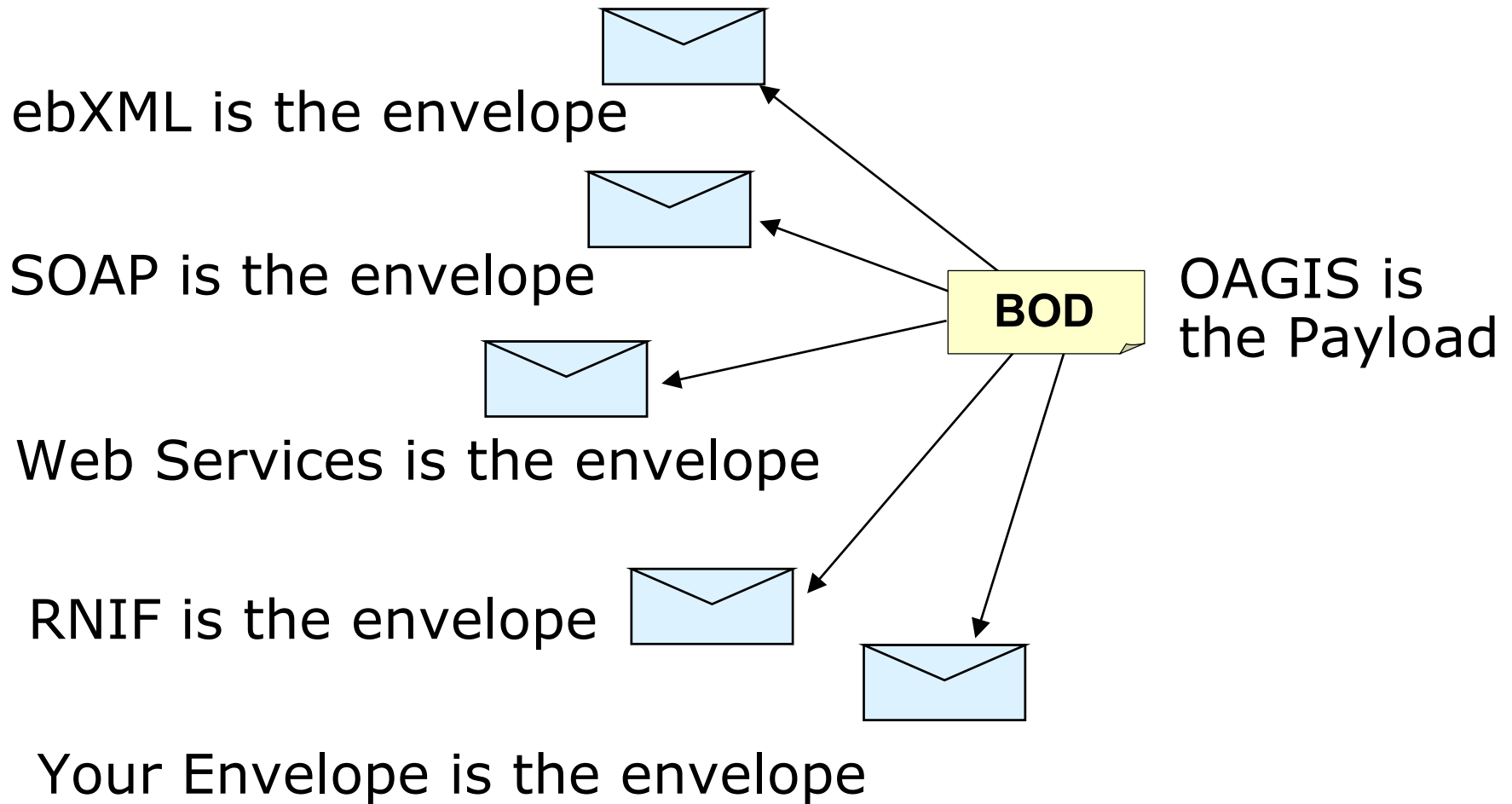Best Practices and XML Content for eBusiness and Application Integration
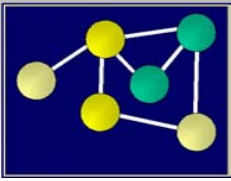
Framework Convergence Strategy

The Open Applications Group will support the leading Industry Frameworks, ebXML and Web Services as well as customer specific or proprietary approaches.

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Best Practices and XML Content for eBusiness and Application Integration

OAGIS is Framework Independent

ebXML is the envelope

SOAP is the envelope

BOD

OAGIS is the Payload

Web Services is the envelope

RNIF is the envelope

Your Envelope is the envelope

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Best Practices and XML Content for eBusiness and Application Integration
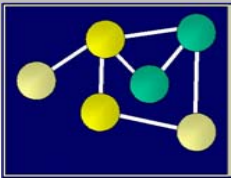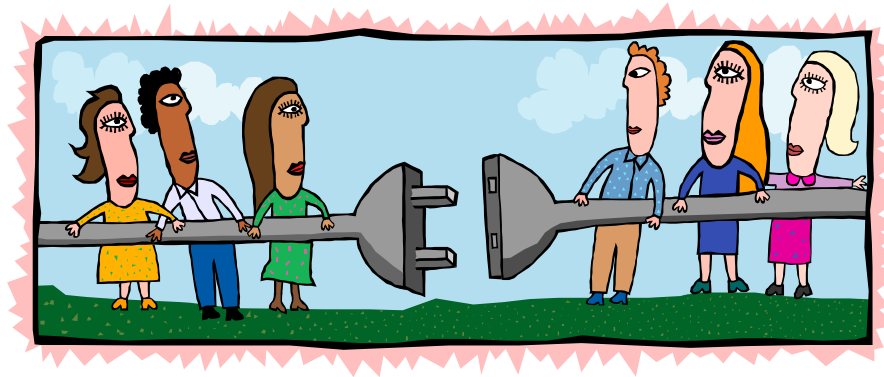
Other Convergence Statements

- OAGIS Intends to support UN/CEFACT Core Components
- OAGIS is looking to UN/CEFACT to facilitate Convergence in CC
- OAGIS intend to support UDEF
- OAGIS recently established Cross-Liaisons with UBL

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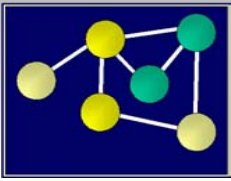Best Practices and XML Content for eBusiness and Application Integration
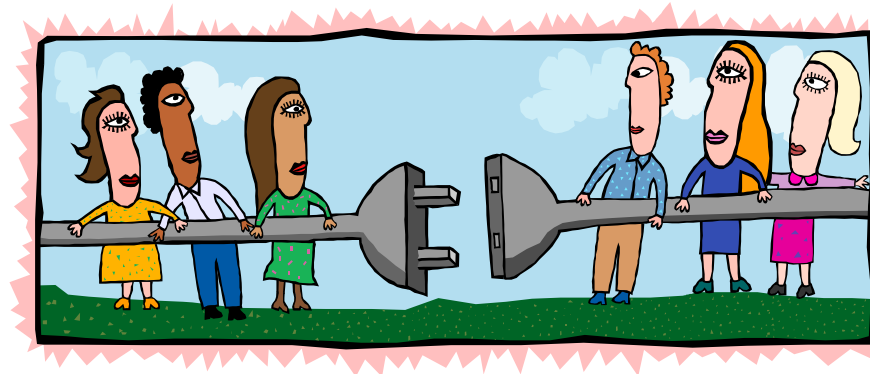
Other Convergence Statements

- OAGIS working with NIST on Test Bed
- OAGIS working with Korea on Test Bed
- OAGIS in discussion with Drake Certivo for Conformance Testing

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Best Practices and XML Content for eBusiness and Application Integration

Thank You

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Best Practices and XML Content for eBusiness and Application Integration